

**CITY TRAFFIC ENGINEER'S REPORT
ISSUE NO. TC 780**

Turn Restrictions on SW 130th Avenue at Allen Boulevard

July 12, 2018

Background Information

Mr. John Dugger requested prohibiting left turns on SW 130th Avenue at the intersection with Allen Boulevard (see attached request). He indicated that the visibility is limited at the intersection due to the brick wall on the southwest corner of the intersection and the grade of the street. He is concerned about the safety of drivers turning onto Allen Boulevard.

The pavement width of SW 130th Avenue near Allen Boulevard is 38 feet. There are an exclusive northbound left turn and right turn lanes. It is classified as a Local Street between Allen Boulevard and 17th Street Avenue and as a Collector street south of 17th Street. 17th Street and Erickson Avenue west of 130th Avenue are also classified as Collector Streets. The posted speed limit on SW 130th Avenue is 25 mph.

Evaluation of the sight distance at the intersection and field visit to the site, verified that the wall at the southwest corner of the intersection and the street trees interferes with the sight distance looking west from 130th Avenue. To be able to see approaching vehicles, it requires drivers to move forward past the stop line to the edge of the travel lane on Allen Boulevard. It was also observed that many of the drivers traveling north on 130th Avenue are turning left onto 17th Street to utilize the traffic signal at Erickson Avenue and Allen Boulevard. During the most recent five years of available crash data, there were three reported angle type crashes that involved vehicles turning left from 130th Avenue.

Staff is proposing to restrict left turns from SW 130th Avenue to Allen Boulevard to improve safety at the intersection and install guide signs to direct drivers to use the traffic signal at Erickson Avenue. The increase in traffic on 17th Street and Erickson Avenue would be minimal as most drivers currently are utilizing the signal at Erickson Avenue. The existing traffic calming devices on 17th Street and Erickson Avenue ensures that drivers are complying with the posted speed.

Applicable Criteria

Applicable criteria from Beaverton Code 6.02.060A are:

- 1a (provide for safe vehicle, bicycle and pedestrian movements);
- 1b (help ensure orderly and predictable movement of vehicles, bicycles, and pedestrians);

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Conclusions:

1. Restricting left turns on SW 130th Avenue at Allen Boulevard and installing guide signs to direct drivers to use the signal on Erickson Avenue would improve the safety of drivers and would provide predictable movements of vehicles, satisfying Criteria 1a and 1b.

Recommendation:

Restrict left turns on SW 130th Avenue at Allen Boulevard and remove the pavement marking for the left turn lane.

Jabra Khasho

From: John Dugger <johndugger79@gmail.com>
Sent: Thursday, April 19, 2018 8:46 AM
To: Jabra Khasho
Subject: Re: 130th and Allen
Attachments: allen_130th.JPG

Hi Jabra,
Thanks for the feedback.

I'm writing to officially request either city staff or the traffic commission to review the intersection of 130th Avenue and Allen Boulevard. I live off 130th and Heather Court and take this road daily to go to work/shopping, etc. My concern is around cars that turn left onto Allen from 130th. As you may know, 130th has both left and right turn lanes to allow cars to cross onto Allen. For cars turning left, visibility is quite limited because of a brick subdivision wall and the slope of the hill on Allen. For cars turning right, if there is a car turning left then visibility goes from bad to non-existent. I have attached the google streetview of this intersection for you to get an idea.

As far as solutions, I am open to any number of possible corrections to this. My first thought was maybe getting rid of the left turn lane (and having it be right turn only) and having left hand turns use the Erickson traffic signal. This would probably require striping and signs but doesn't seem all that disruptive as I know from our discussions at the Highland NAC that many people already do this. Another less invasive approach may be to limit left hand turns during certain high traffic hours (rush hour, etc). I am also open to other solutions that you and your team could come up with as I know you've probably seen intersections like this before.

Please let me know how I can help with this and many thanks to you and your team for looking into this dangerous situation.

John Dugger

TC # 780



1" = 50'



**PROPOSED
NO LEFT TURNS**

SW ALLEN BLVD

SW 130TH AVE

14'

12'

12'

Y:\TRANSPORTATION\Drawings\2018\TC780 - Turn Restrictions on SW 130th Ave at Allen Blvd.DWG



Turn Restrictions on
SW 130th Ave at Allen Blvd

**ENGINEERING DEPARTMENT
TRANSPORTATION DIVISION**

Drawn By: GO Date: 7/13/18

Reviewed By: _____ Date: _____

Approved By: _____ Date: _____



MEMORANDUM

Beaverton Police Department



DATE: July 23, 2018

TO: Jabra Khasho, City Transportation Engineer

FROM: Sergeant Steve Schaer

SUBJECT: Traffic Commission Issues No. TC 780

On review of the City Traffic Engineer's report, and my visitation of the location, I concur with the Traffic Engineer's recommendation to restrict left turns on SW 130th Avenue at Allen Boulevard and remove the pavement marking for the left turn lane.

Sgt Steve Schaer